

**PATENT****IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

APPLICANT : Rothschild, et al.  
SERIAL NO : 09/950,022  
FILED : September 10, 2001  
TITLE : NOVEL PRKAG3 ALLELES AND USE OF THE SAME AS GENETIC MARKERS FOR REPRODUCTIVE AND MEAT QUALITY TRAITS

Grp./A.U. : 1645  
Examiner : EINSMANN, Juliet Caroline  
Conf. No. : 1703  
Docket No. : P04668US03

**FAX RECEIVED**  
MAR 19 2003  
**GROUP 1600**

**RESPONSE TO RESTRICTION REQUIREMENT**

Assistant Commissioner for Patents  
Washington, D.C. 20231

**OFFICIAL**

Dear Sir:

In response to the Restriction Requirement dated December 17, 2002, applicant hereby elects with traverse to proceed with Group II, claims 10-16, 45, 46, 54, 55 and 56, drawn to methods for screening animals to determine those more likely to exhibit improved meat quality traits, wherein a polymorphism in the PRKAG3 gene resulting in a valine at position 199 of the polypeptide and the arginine at position 200 OR an isoleucine at position 100 and arginine at position 200. Claims 1-9, 17-44, 47-53 and 57-58 will be canceled once a notice of allowance is received for Group II.

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**CERTIFICATE OF FACSIMILE TRANSMISSION (37 C.F.R. § 1.6(a)(3))**

I hereby certify that this document and the documents referred to as enclosed therein are being transmitted via facsimile to: Technology Center 1600, 703-872-9306, Attn: Assistant Commissioner for Patents, Washington, D.C. 20231, on this 17th day of March, 2003.

  
Heidi S. Nebel